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(54) **GAS DESANDER**

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See application file for complete search history.

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(57) **ABSTRACT**

The present invention provides a device for removing solids from a gas stream. The device comprises a longitudinal hollow element (**2**) comprising an inlet (**9**), a first outlet (**10**) and second outlet (**11**), and an internal rotation-generating element (**12**) for the gas stream, and the rotation-generating element (**12**), which causes the gas stream to rotate around a centerline (Y) of the hollow element (**2**), is arranged between the first outlet (**10**) and the second outlet (**11**) in the longitudinal direction of the hollow element (**2**), and comprises a central axial passage (**13**), said passage is fluidly connected to the first outlet (**10**) by an extraction line (**14**), said first outlet (**10**) arranged between the inlet (**9**) and the rotation-generating element (**12**) in the longitudinal direction of the hollow element, wherein a section (**23**) of the hollow element is arranged between the second outlet (**11**) and the rotation-generating element and has a decreasing inner circumference in the longitudinal direction of the hollow element (**2**) towards the second outlet.

10 Claims, 2 Drawing Sheets